



Revision number:

Purchasing Agent: Debbie Gundersen

Item: SNOW PLOW SINGLE FUNCTION WING PLOWS 12' MID-MOUNT

Vendor: 00938A H & K Truck Equipment
1103 South 700 West
Salt Lake City UT 84104-1543

Internet Homepage:

Telephone: (801) 886-3000

Fax number: (801) 886-0424

Contact: Kevin Hamrick

Email address:

Brand/trade name: Monroe S & I

Price: See Attached Price List
Terms: Net 30
Effective dates: 12/05/98 through 12/5/00
Days required for delivery: 45-60 Days
Price guarantee period: 1 Year
Minimum order: One
Min shipment without charges:
Other conditions:

THIS IS A NEW CONTRACT.

This contract covers only those items listed in the price schedule. It is the responsibility of the agency to ensure that other items purchased are invoiced separately. State agencies will place orders directly with the vendor (creating a PG in Finet) and make payments for the same on a PV referencing the original PG. Agencies will return to the vendor any invoice which reflects incorrect pricing.



1- 12' Single-function wing plow mounted on truck.

\$5,803.00/each

SPECIFICATIONS:

The plow is to be new unit of current model. The equipment is to meet the following minimum specifications, but is not limited as to additional features furnished by the manufacturer. Wing will be mounted to work in conjunction with a reversible plow without leaving a windrow of snow between the front plow and wing. To be Monroe SFPW-12 or equal, any of which, must meet the following minimum specifications.

Equipment furnished to the State of Utah must meet current state and federal safety regulations.

Bid must have a response to each item of the specifications including all options.

Wherever in this document an item is defined by using a trade name and model number of a manufacturer or vendor, it is intended that the words, "or approved equal" apply. A reference, in these specifications, to a particular product is made only of the purpose of clarification of the minimum acceptable standards. "Or approved equal" means any other brand that is equal in use, quality, economy and performance to the brand listed. A brand meeting the specified criteria may be accepted.

Bid to state terms of warranty. All warranty periods shall start after equipment has been put into service.

DETAIL SPECIFICATIONS:

Moldboard: The snow plow moldboard shall be constructed of 3/16" high tensile commercial grade (50,000 psi) rolled plate steel or box type construction of full-length channels. Moldboard ribs must be 1/2", one piece, 7 ribs minimum. The ribs and or channels to be continuously welded to the moldboard sheet and to the bottom angle. Bottom angle to be 4" x 4" x 3/4" thick structural angle iron minimum.

To have reinforcement gussets welded approximately every 12". The plow shall have a front nose height of 28" minimum and a rear height of 38" minimum. To have a cutting edge length of 144" and a overall moldboard length of approximately 148" minimum. To have full trip moldboard. Bay type construction of full length channels will be accepted. The cutting edge will be 5/8" x 8" top punch with AASHO spacing.

Cutting Edges: To have double cutting edges installed. First edge to have tungsten carbide inserts. Second edge to be bolted in front of carbide insert edge. To have standard top punch with AASHO spacing. Note: 27" intake & 37" discharge with carbide edge.

Push Arm: To have heavy duty, adjustable spring cushioned push arm with a safety shear pin. The wing push arm outer tube of the push arm to be 2 1/2" ID by .300 wall thickness with an inner shaft of a minimum of 2 1/4" OD 1045 solid shaft minimum. The push arm to have adjustment in and out to maintain 90 degrees arm to moldboard.

Wing Cylinder: The wing post cylinder to be a minimum of 4" ID x 14.81" stroke. The rod diameter shall be a minimum 2" and shall be a double-acting cylinder. This cylinder shall have a cable sheave arrangement through which run the 1/2" fiber-core galvanized woven steel cable.

The rod shall be a hard chrome type. To have a packing and nut and adjustable chevron packing on the cylinder.

Front Post: To have a fabricated structural steel I-beam. This I-beam to be 7" x 15.3# per ft. minimum. To be reinforced in such a manner to allow the full travel of the front slide



plate from top to bottom. The front slide plate must be a minimum of ½" thick steel and incorporate a 5" mechanical float. To supply a front wing post shall be attached to the frame of the truck with ½" side plates bolted to the front frame extension of the truck. To supply a cross tube 5" x 7" x 3/8" thick wall tubing minimum. On the end of the cross tube a ½" plate shall be welded in place for attaching the post to the cross tube. Both plates shall have extra holes for adjusting the wing post height. The entire slide assembly shall be removable from the post for easy repair.

Wing Lock: The have a safety device to lock the hydraulic load. In case of hydraulic line breakage and also prevents wing drifting. Load side to have 4500 PSI stainless steel tubing. To have plated fittings for long service life.

The wing shall be designed so that it will bold closely to the truck and shall have safety chains on the heel to secure the wing in a folded position for travel.

Weight: Weight of the complete wing assembly, including cutting edges should be 1750 lbs. maximum. Heavier plows will be considered, based on special features and engineering evidence that additional weight is needed to provide a desirable strength.

Indentification: The unit shall have a metal tage permanently attached at approximately 3 in, from the upper right corner on the back of the blade with the following data: manufacturer's name, year of manufacture, model number and serial number.

Paint: All steel to be sand blasted, metal prepared, and 2 coats of primer applied before painting. The be verified at time of delivery. Plow to be painted to match truck cab and chassis. Color is specified as Sickens 0311 Omaha Orange Unleaded. No hydraulic hoses or fittings shall be painted. Manufacturer is responsible for a correct color match. Manufacturer's standard emblems and model designations allowed but not to exceed 4 inches high. All other advertising and decorative striping to be omitted.

Mold board powder coat orange.

Welding: All welding performed on the wing and mounting hardware must be in compliance with current AWS procedures and guidelines.

Option: Full trip cutting edge on moldboard.
Option Price: \$950.00

Option: Two piece Torsion trip cutting edge on moldboard. (Not recommended)
Option Price: \$60.00

Option: Wrap around curb guard (In lieu of the full trip moldboard)
Option Price: \$65.00

Option: Markers for post (to show blade height to ground).
Markers for moldboard.
Option Price: \$23.00

Option: Cast iron moldboard shoe.
Option Price: \$100.00 each

Option: Dealer installed.
Option Price: \$1920.00

Installed price includes installing wing plow and running hydraulic hoses to valves only. Price does not include hydraulics, valves, controls or relocating item on truck.

**QUALITY:**

The unit will be inspected when delivered. Welds are to be of general good workmanship, and must conform to AD D1.1 and D1.2 standards. All welds must be continuous. Paint and furnish details are to be of good workmanship and appearance. Units failing this inspection will not be accepted.

PARTS AND SERVICE:

The servicing and supplying of parts for maintenance should be available in the Salt Lake City area. Consideration of this serviceability will be made before the awarding of a purchase order.

DELIVERY:

Delivery is to be completed within 45-60 days after receipt of order.

Delivery must include the following:

- S dealer's invoice
- S a copy of warranty
- S operator's manual for each unit
- S 12 complete sets of manuals including:
parts list, repair manual, operator's manual for each unit.

Cost of these manuals is to be included in bid price.

Invoices will not be approved for payment until all documentation and manuals have been received.

REPORTS:

The contractor will submit yearly reports to the State Purchasing Agent (Debbie Gundersen) showing quantities and dollar volume of purchases by each agency and political subdivision. This report will be due by 11/1/00.

FINET COMMODITY CODE(S): FOR AGENCY USE ONLY

7656100000 - SNOW PLOWS, VEHICLE MOUNTED